





Version 1

10,000

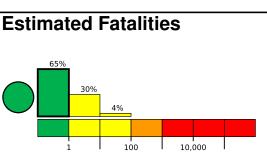
100,000

1,000

# M 5.7, 46 km NNE of Hirara, Japan

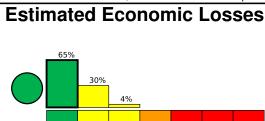
Origin Time: 2023-10-16 10:42:12 UTC (Mon 18:42:12 local) Location: 25.1583° N 125.5423° E Depth: 27.9 km

Created: 20 minutes, 40 seconds after earthquake



1,000

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

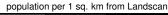


**Estimated Population Exposed to Earthquake Shaking** 

							<u> </u>			
ESTIMATED POPULATION EXPOSURE (k=x1000)		_*	61k	51k	0	0	0	0	0	0
ESTIMATEI MERCALLI	D MODIFIED INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVE	D SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

<sup>\*</sup>Estimated exposure only includes population within the map area.

### Population Exposure





#### | Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are heavy wood frame and reinforced/confined masonry construction.

#### **Historical Earthquakes**

			•		
Date	•	Dist.	Mag.	Max	Shaking
(UTC	C)	(km)		MMI(#)	Deaths
2002	2-05-15	375	6.1	VIII(243k)	1
1994	1-06-05	380	6.3	VIII(3k)	1
2002	2-03-31	356	7.1	VIII(16k)	5

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

## **Selected City Exposure**

from GeoNames.org

nom decivames.org				
MMI	City	Population		
IV	Hirara	34k		
Ш	Ishigaki	45k		

bold cities appear on map.

(k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.